

# Software Engineering 2

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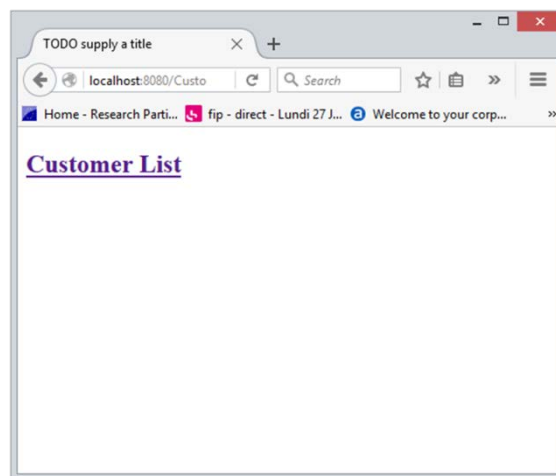
CT5106

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## Assignment #3 – Persistence using JDBC

- In this assignment, you will use a data class to store information on customers.
- You will use the database.sql file which is attached to this assignment. The SQL code to create and populate the customers table is in this file.
- You will use your own database, which you have already created on danu6 as instructed in the lectures.
- You will create and use a DAO-type class to manage the interaction with the database.
- A servlet will be used to retrieve a list of customer objects which will be added to the session as a list.

The first page ([index.html](#)) will contain a href which will bring you to the servlet ([getCustomers.java](#)).



In the servlet, the customer objects will be retrieved using the CustomerDAO class, and added (as a List) to the session object as an attribute.

The servlet then forward control to a JSP page ([displayCustomerSummary.jsp](#)), where the list of Customer objects will be iterated over and displayed.

Customers

localhost:8080/Customers/getCustomer:

### Summary Customer Information

Number	Name	City	Credit Limit	
103	Atelier graphique	Nantes	21000.0	<a href="#">Details</a>
112	Signal Gift Store Inc.s	Las Vegas	71800.0	<a href="#">Details</a>
114	Australian Collectors, Co.	Melbourne	117300.0	<a href="#">Details</a>
119	La Rochelle Gifts	Nantes	118200.0	<a href="#">Details</a>
121	Baane Mini Imports	Stavern	81700.0	<a href="#">Details</a>
124	Mini Gifts Distributors Ltd.	San Rafael	210500.0	<a href="#">Details</a>
125	Havel & Zbyszek Co	Warszawa	0.0	<a href="#">Details</a>
128	Blauer See Auto, Co.	Frankfurt	59700.0	<a href="#">Details</a>

Clicking on the “**Details**” button should submit a form which calls the **displayCustomerDetails.jsp** page. A hidden field will be used to pass the **customerNumber** to this JSP page.

On the **displayCustomerDetails.jsp** page, you will use a **<c:forEach>** loop to loop over the customer objects in the session attribute, but only display the details for the customer whose **customerNumber** you have passed a request parameter to this page. You can use the **<c:if>** tag for this.

Atelier graphique

localhost:8080/Customers/displ

### Customer Details: Atelier graphique

<b>Contact</b>	Carine Schmitt
<b>Phone</b>	40.32.2555
<b>Address</b>	54, rue Royale Nantes 44000 France